

10/774,132  
Amdt. Dated Apr. 22, 2005  
Resp. to Off. Action dated Mar. 10, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1(Currently Amended).      A golf ball comprising:

    a core; and

    a cover disposed on the core, the cover composed of a material selected from the group consisting of ionomers, polyurethane and blends thereof, the cover having a surface; and, wherein said cover on its surface incorporates a coating comprising a thermochromic material,

a primer coat disposed on the surface of the cover, the primer coat comprising a leuco dye system, wherein the thermochromic material leuco dye system is capable of indicating whether the golf ball is above or below a predetermined temperature.

2-4(Canceled).

5(Original).    The golf ball of claim 1, wherein the cover comprises at least one inner cover layer and at least one outer cover layer.

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6(Original). The golf ball of claim 1, further comprising a temperature indicating mark printed on the cover.

7(Original). The golf ball of claim 1, wherein the core comprises at least an inner core and a core layer surrounding the inner core.

8(Currently Amended). A golf ball comprising a core and a cover wherein said cover incorporates on its surface at least one primer coat comprising coating layer, ~~wherein the at least one coating layer comprises~~ a thermochromic material, and wherein the thermochromic material changes to a visible color at a predetermined temperature, thereby allowing the observation of the thermochromic material.

9(Original). The golf ball of claim 8 wherein the thermochromic material is a leuco dye system.

10-11(Canceled).

12(Original). The golf ball of claim 8 wherein the cover comprises at least one inner cover layer and at least one outer cover layer.

13(Original). The golf ball of claim 8, further comprising a temperature indicating mark printed on the cover.

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14(Original). The golf ball of claim 8, wherein the core comprises at least an inner core and a core layer surrounding the inner core.

15(Currently Amended). A golf ball comprising a core and a cover wherein said cover incorporates at least primer coat comprising one coating layer comprising a thermochromic material to indicate whether said golf ball is above or below a predetermined temperature, said thermochromic material comprising a leuco dye system.

16-17(Canceled).

18(Original).The golf ball of claim 15 wherein the cover comprises at least one inner cover layer and at least one outer cover layer.

19(Original). The golf ball of claim 15, further comprising a temperature indicating mark printed on the cover.

20(Original). The golf ball of claim 15, wherein the core comprises at least an inner core and a core layer surrounding the inner core.